

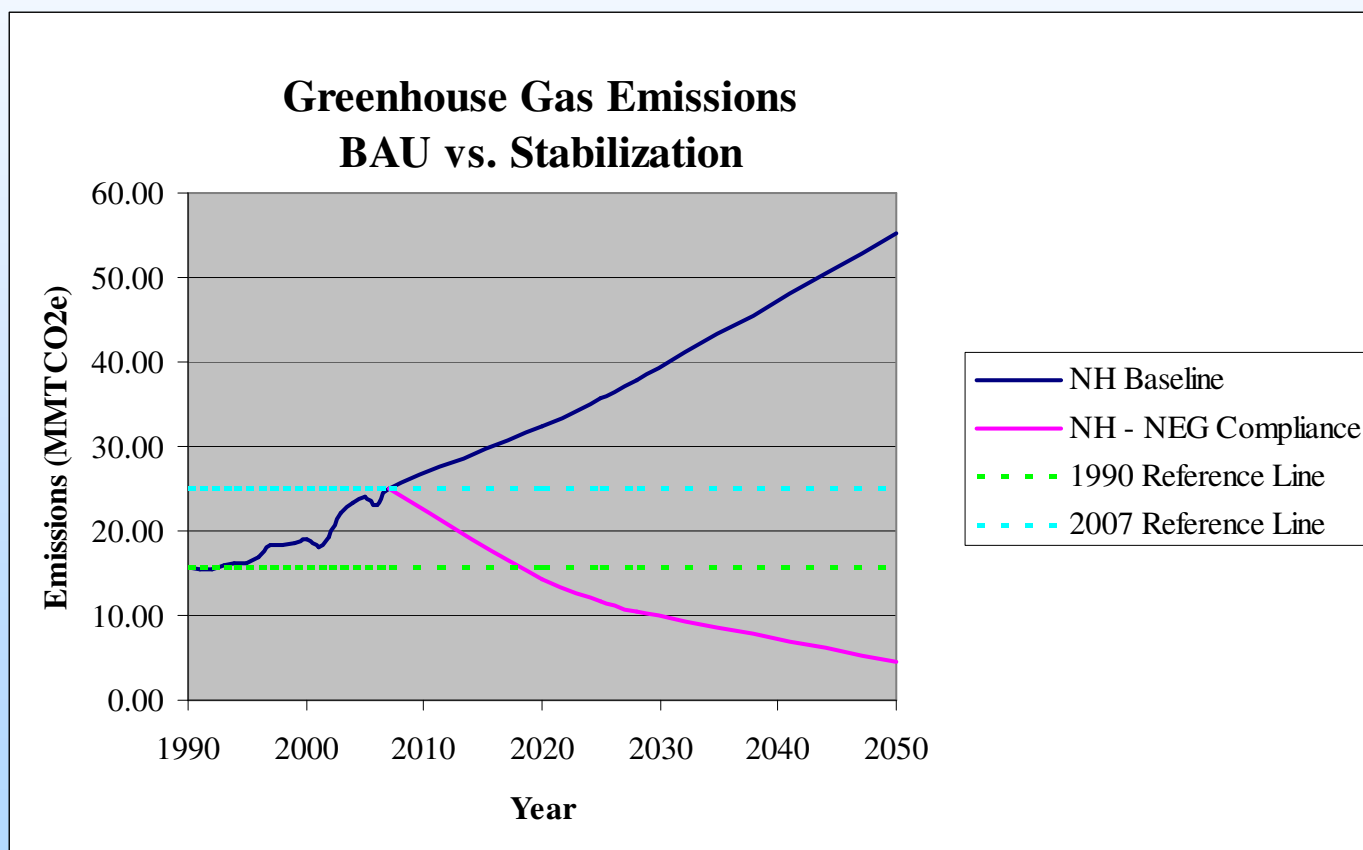


Climate Change Action Plan Mitigation and Adaptation Draft Options

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Climate Change Emissions

Multiple Paths



Climate Change Emissions

Multiple Paths



There is no “silver bullet” but the Climate Change Action Plan could be the “silver buckshot”

Climate Change Action Plan

Draft Options

- Catalogue of Options
 - Compiled a list of 220 potential options
 - Options fall into all sectors
 - Address Drivers (Mitigation)
 - Address Impacts (Adaptation)

Climate Change Action Plan

Draft Options

**Mitigation options compiled into sectors based on
emission *source and related activities***

- Electric Generation and Usage
- Transportation and Land Use
- Residential, Commercial and Industrial
- Agriculture, Forestry and Waste
- Government, Leadership and Action
- *Cross-Sector Issues*

Climate Change Action Plan

Draft Options

Mitigation options reduce the state's gross and net greenhouse gas emissions by:

- Reducing greenhouse gas emission rate
- Reducing energy demand
- Increasing carbon storage
- Avoiding the release of stored carbon

Climate Change Action Plan

Draft Options

Electric Generation and Usage

- Options target source and demand-side reduction
- Recognize that both approaches result in reductions at generation site
- Option Categories
 - Emission Control
 - Renewable and Non-Emitting Generation
 - Demand Response
 - Energy Efficiency
 - Transmission and Distribution

Climate Change Action Plan

Draft Options

Transportation and Land Use

- Recognizes that transportation networks and settlement patterns influence each other
- Option Categories
 - Vehicle Design
 - Low Greenhouse Gas/Black Carbon Power Sources
 - Fuel Efficiency
 - Vehicle Miles Traveled (VMT) Reduction
 - Smart Growth

Climate Change Action Plan

Draft Options

Residential, Commercial and Industrial (RCI)

- Recognizes the similar potential for energy efficiency and conservation within these three sectors
- Option Categories
 - Heat and Hot Water
 - Building Design
 - Energy Efficiency and Conservation
 - Industry

Climate Change Action Plan

Draft Options

Agriculture, Forestry and Waste (AFW)

- Biologically mediated
- Indirect emissions
- Potential for sequestration
- Options categories
 - Carbon Sequestration
 - Nutrient Management
 - Fuel and Electricity Generation
 - Recycling and Source Reduction
 - Regional, State and Local Food Supply

Climate Change Action Plan

Draft Options

Government Leadership and Action (GLA)

- Opportunities to lead by example
- Option Categories
 - Building Efficiency and Conservation
 - Promotion of Renewable Energy
 - Transportation

Climate Change Action Plan

Draft Options

Adaptation (ADP)

- Identify actions to mitigate the effect of projected impacts
- Option Categories
 - Resistance to Extreme Events
 - Health and Wellness
 - Economy

Climate Change Action Plan

Options Analysis

- Working Groups amend and refine draft options list
- Select set of options for further analysis
- Develop “straw policy” design
 - What
 - How
 - Timeframe
- Submit to CSNE and DES for quantitative analysis

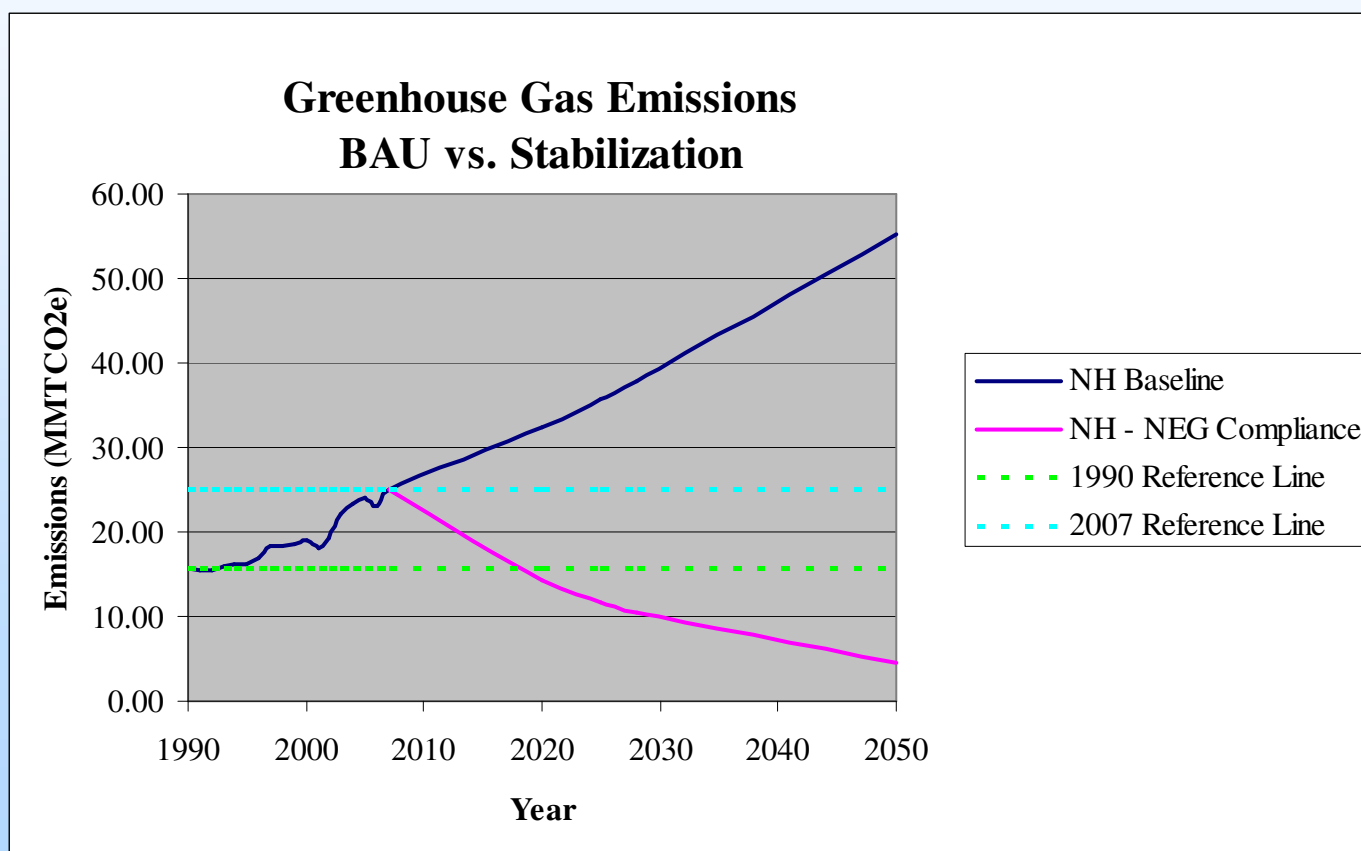
Climate Change Action Plan

Options Analysis

Option Number	Greenhouse Gas Emission Reduction Strategy	Emissions Reduction Potential (MMTCO2e)			Cost or Cost Savings	Notes: Additional Impacts, Feasibility Considerations
		2012/ 2015	2020	2012/2015-2020		
EGU-1	Emission Control					
1.1	Pass and Implement the Regional Greenhouse Gas Initiative (RGGI)					
1.2	Expand the Regional Greenhouse Gas Initiative					
1.3	An Output-Based CO2 Systems Benefit Charge					
1.4	Mandate Capture and Storage of CO2 from Existing Energy Sources					

Climate Change Emissions

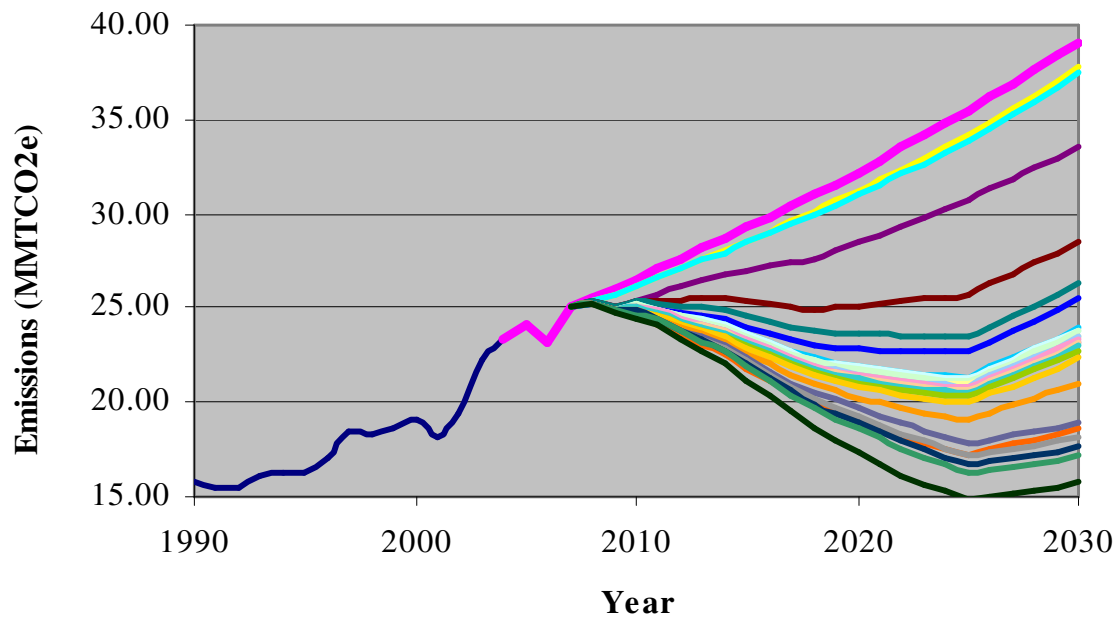
Multiple Paths



Climate Change Action Plan

“Silver Buckshot”

Greenhouse Gas Emissions Options Impact





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